**Homework 66 FORM A** Name:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Trig to Find Missing Angles** Period:\_\_\_\_Date:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Failure to show all work or write in complete sentences will result in a LaSalle.**

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| **Use your calculator to solve** **for  in the problems below.**  **Round to the nearest whole degree.** | | | |
| 1) | 2) | 3) | 4) |
| 4) Find the measure of angles N and P.  11  18    tanN=  N= \_\_\_\_\_\_    tanP=  P=\_\_\_\_\_\_  18  11 | | 5) Find the measure of angles U and S.  7  23    sinU=  U= \_\_\_\_\_\_  7  23  cosS=  S= \_\_\_\_\_\_ | |
| 6) Find the measure of angles U and E.  19  28  sinU=  U= \_\_\_\_\_\_    19  28  cosE=  E=\_\_\_\_\_\_ | | 7) Find the measure of angles T and A.  30  16    tanT=  T= \_\_\_\_\_\_  16  30  tanA=  A=\_\_\_\_\_\_ | |
| 8) Using the diagram below, for what value of *x* does sin *A =* cos *A*?   1. 30° 2. 45° 3. 60° 4. ~~None~~   Explain your answer in a complete sentence.  \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ | | 9) Solve the following right triangle.    15  18  15  18  sinU=  U= \_\_\_\_\_\_  cosE=  E= \_\_\_\_\_\_  UM: a2 +b2 = c2  a2 + 152 = 182  U = \_\_\_\_\_ E = \_\_\_\_\_ UM = \_\_\_\_\_\_\_ | |